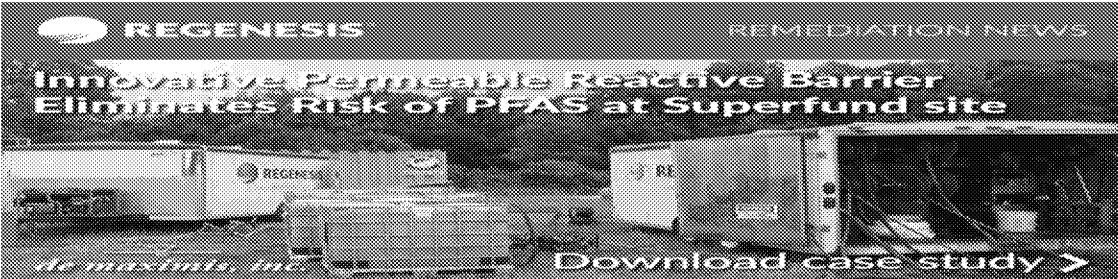



From: REGENESIS Remediation Solutions [info@regenesiss.com]
Sent: 12/3/2018 5:06:51 PM
To: Dunn, Alexandra [dunn.alexandra@epa.gov]
Subject: REGENESIS eNews: Colloidal Activated Carbon Barrier Addresses PFAS Risk at Superfund Site, Client Spotlight on Bruce Thompson of de maximis and more...



REGENESIS REMEDIATION NEWS

Innovative Permeable Reactive Barrier Eliminates Risk of PFAS at Superfund site


de maximis, Inc. [Download case study >](#)



INNOVATIVE REMEDIAL APPROACH ADDRESSED PFAS RISK AT SUPERFUND SITE
CASE STUDY
Colloidal Activated Carbon Barrier Eliminates Risk of PFAS at Superfund Site

Due to past operations at the Solvents Recovery Service of New England (SRSNE), soil and groundwater were contaminated with a wide variety of Volatile Organic Compounds (VOCs) and Polychlorinated Biphenyls (PCBs) and PFAS contaminants. The site was placed on the National Priorities List in 1983 and by 1991, all activities stopped as the site ceased operations.

Since shutting down, the site has benefited from significant natural attenuation, as well as the installation of a multi-layer cap to prevent human contact with residual contaminants. In 2018, an innovative remedial approach incorporated natural attenuation with the use of PlumeStop® to work with the existing sheet pile structure to limit the mobility of the plume and effectively treat contaminant concentrations. PlumeStop quickly reduced PFAS/PFOA levels and in combination with natural attenuation eliminated VOC contaminant concentrations. It is estimated that the PERB group involved will save \$400,000 annually with the shut down of the pump and treat system on site. [READ MORE](#)

[Download case study](#) 

Client Spotlight: Bruce Thompson, Senior Project Director and Board Member at de maximis



For Bruce Thompson, the rigorous training of the U.S. Naval Academy, where he earned his BS degree in Oceanography, provided the appropriate foundation for a successful career in environmental project management. As a Senior Project Director and board member at de maximis, inc., Thompson continues to leverage the leadership and management experience he garnered as a commissioned Naval officer to make an impact in the field of environmental remediation. He shares, "I was hired right out of the U.S. Navy, where I had been teaching leadership and management to newly commissioned officers." Now in his 27th year at de maximis, inc., Thompson clearly enjoys his work, and continues to help the firm pursue its overarching goal as the leading provider of comprehensive project coordination and management services for environmental investigation and remediation projects. Read more in our client spotlight.

Read more here



Turn Polluted Aquifers into Purifying Filters with PlumeStop

PLUME STOP
Liquid Activated Carbon

Contaminant retardation is now a controllable variable with PlumeStop. PlumeStop Liquid Activated Carbon is a break-through groundwater remediation technology that reduces dissolved phase contaminant plumes in days. Composed of extremely fine particles of activated carbon (1-2µm) suspended in water through a proprietary dispersion chemistry, PlumeStop flows into the subsurface at low pressure and achieves wide-spread distribution — a capability unlike any other form of activated carbon used for groundwater remediation today.

Learn more here



Colloidal ZVI with Excellent Reactivity and Longevity

Aqua ZVI[™]

AquaZVI is proven to promote *In Situ* Chemical Reduction (ISCR) of contaminants within the subsurface environment. It is delivered as a colloidal suspension at 40% ZVI by weight with particle size in the range of less than 5 micron. AquaZVI is an aqueous suspension manufactured employing a state-of-the-science sulfidation process resulting in a particle coating which increases activation toward specific contaminants and extends performance longevity. While this remediation product destroys contaminants abiotically, it can also be employed to stimulate ISCR-enhanced bioremediation.

Learn more here



Upcoming Webinar on Cost-Effective Remediation

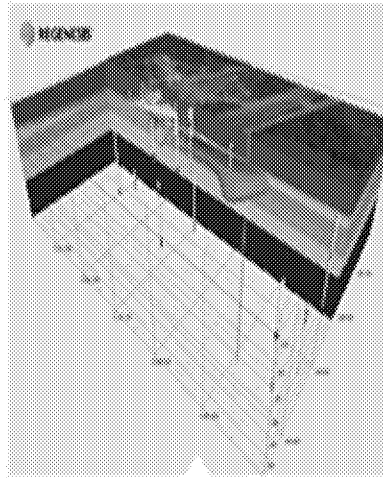


In this webinar we are pleased to have a special presentation by Rich Derosiers, Associate Principal and Hydrogeologist at GZA GeoEnvironmental, Inc. In this presentation he will discuss cost-effective remediation through enhanced characterization. This live webinar starts **Wednesday, December 12th, 2018 at 11am pacific/2pm eastern.**

Register today



Case Study: WSP Significantly Reduces VOCs at Rail Site



PILOT TEST

Proper test results are critical to the success of a remediation project. The pilot test was conducted in early November at the Rail Site in Quebec. The test was designed to evaluate the effectiveness of the remediation system under field conditions. The test results showed that the remediation system was able to reduce VOC concentrations significantly.

AquaZVI

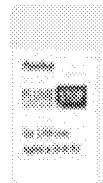
PLUME STOP



To ensure the appropriate application of the remediation system, a pilot test was conducted in early November at the Rail Site in Quebec. The test was designed to evaluate the effectiveness of the remediation system under field conditions. The test results showed that the remediation system was able to reduce VOC concentrations significantly.

APPLICATION

The application of the remediation system was successful. The test results showed that the remediation system was able to reduce VOC concentrations significantly. The test results also showed that the remediation system was able to maintain the groundwater quality within the required limits.



**SIGNIFICANT
REDUCTION IN VOCs
ACHIEVED AT RAIL SITE**

**CASE STUDY:
Successful Application of
PlumeStop and AquaZVI
Protects Property Boundaries**



Groundwater contamination was caused by discrete releases of chlorinated solvents at a Rail Site in Quebec. A combined remedy approach using PlumeStop and AquaZVI was chosen because it allows for the highest treatment efficiency at the lowest possible cost. A pilot test was conducted in early November. WSP constructed *in situ* microcosms (ISMs) using aquifer material which were deployed before the amendment injection, with the amendment successfully applied under low pressure, despite wintery conditions. After conducting the pilot test, data for samples collected within the treatment barrier indicated significant contaminant concentration decreases.

Featured Environmental Consultants



Matthew Burns
Technical Fellow
Contaminated Land
National Service Line Lead
WSP USA



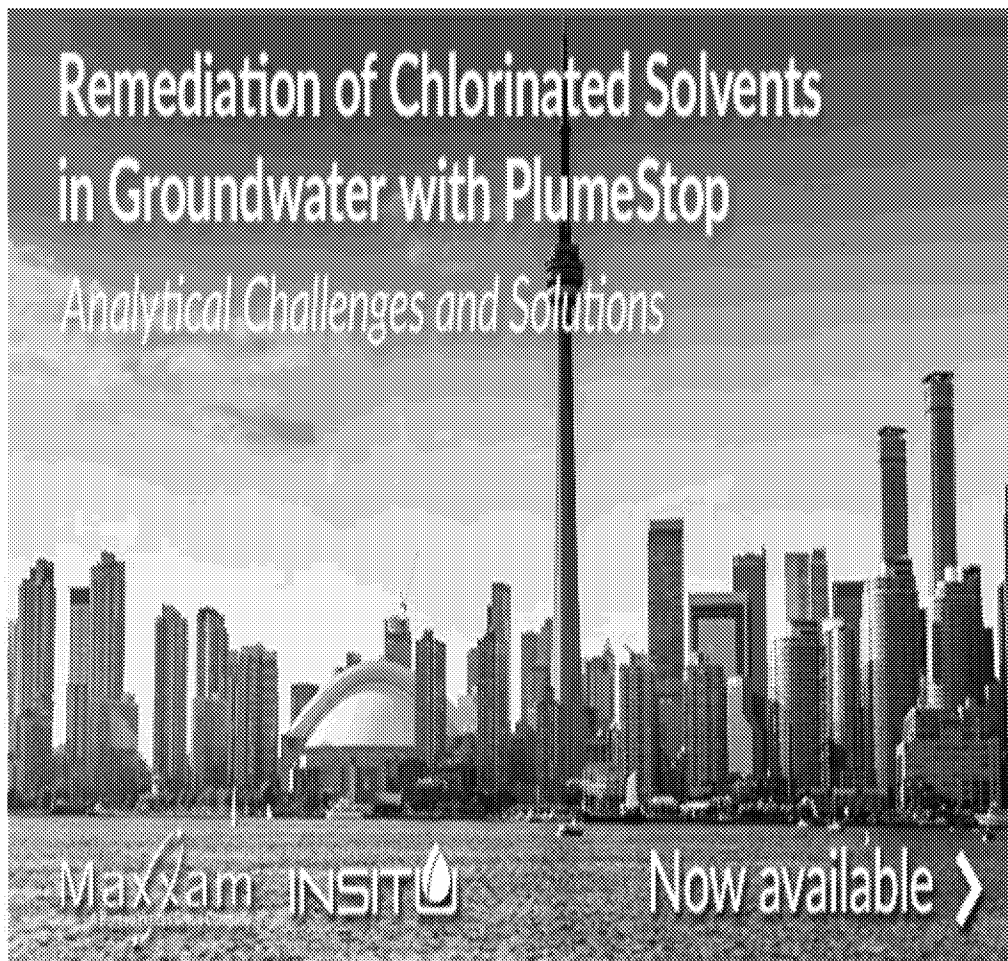
Luc Turbide
Project Manager
WSP Canada

Download case study 

Webinar Recording Now Available

Remediation of Chlorinated Solvents in Groundwater with PlumeStop

Analytical Challenges and Solutions



Maxxam INSITU

Now available >

In this webinar we were pleased to have a special presentation by Heather Lord PhD, Environmental Research & Development Manager for Maxxam. Dr. Lord discussed analytical challenges and solutions when using PlumeStop Liquid Activated Carbon for *in situ* remediation of chlorinated solvents in groundwater. Joining Heather Lord was Rick McGregor, President of InSitu Remediation Services Ltd, who shared case studies of sites using the analytical strategies discussed in Dr. Lord's presentation. The full recording is available here.

View webinar recording 

Upcoming Events



NGWA Groundwater Week

12/3 - 12/6/2018, Las Vegas, NV

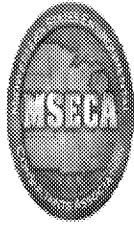
[Visit conference website](#)



Florida Remediation Conference

12/5 - 12/6, Orlando, FL

[Visit conference website](#)



Conference on Environmental Liabilities, Risk Assessment, and Remediation

12/10 - 12/11/2018, Carmel, IN

[Visit conference website](#)

Questions?

REGENESIS has remediation experts based worldwide to assist you in your brownfield site cleanup. As the technology leader in advanced bioremediation solutions, we can help ensure success on your next remediation project. Use the map on our website to **find your regional REGENESIS contact today.**



Forward



Tweet



Share



Share

Follow us ↴



Copyright © 2018 REGENESIS, All rights reserved.

1011 Calle Sombra

San Clemente, CA 92673

[update your preferences](#)